

# PJAS Region 6 Science Project Judging Rubric

Presenter's Name: \_\_\_\_\_ School: \_\_\_\_\_

Unit #: \_\_\_\_\_ Project Subject: \_\_\_\_\_

Category & Characteristics (bullet points)	Comments <i>(Smay use back also)</i>	Score (1 - 5)
<b>Scientific Thought</b> <ul style="list-style-type: none"> <li>Has a single formal <i>(testable)</i> hypothesis</li> <li>Can identify AND explain the basic scientific concepts</li> <li>Experimental design is limited to the work dealing with the hypothesis</li> </ul>		
<b>Experimental Methods</b> <ul style="list-style-type: none"> <li>Did his/her own experiment</li> <li>Conducted the experiment in a safe and accepted manner</li> <li>Had both control group and an experimental group</li> <li><i>Can identify experimental variables</i></li> <li>Experimental and control groups are clearly identified</li> <li>Sample sizes are well selected</li> <li>Metric measurements</li> </ul>		
<b>Analytical Approach</b> <ul style="list-style-type: none"> <li>Conclusions drawn are valid for the data gathered</li> <li><i>Appropriate Statistical Analysis – 7&amp;8 Mean, 9-12 higher analysis, i.e. Standard Deviation</i></li> <li>Can describe errors in the data <i>(not = to mistakes)</i></li> <li>Can describe possible avenues for further research or application</li> <li>Can describe by he/she did this particular experiment</li> </ul>		
<b>Presentation</b> <ul style="list-style-type: none"> <li>Presentation is clear</li> <li>Visuals are understandable and enhanced the presentation <i>(proofread)</i></li> <li>Spoke clearly <i>(audibly, appropriate pace, eye contact)</i></li> <li>Referred to notes <i>(if needed)</i> but did not read them</li> <li>Could answer judge's questions satisfactorily</li> </ul>		
<b>Judge's Opinion</b> <ul style="list-style-type: none"> <li>The project was of proficient quality in all areas: planning, methods, conclusions, and presentation</li> <li>The project is appropriate for his/her current grade level</li> </ul>		

## Scoring Key

Score Awarded	5	4	3	2	1
Characteristics Met	Exceeds	All	Most	Few	None
PJAS Place Award	1 <sup>st</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	3 <sup>rd</sup>